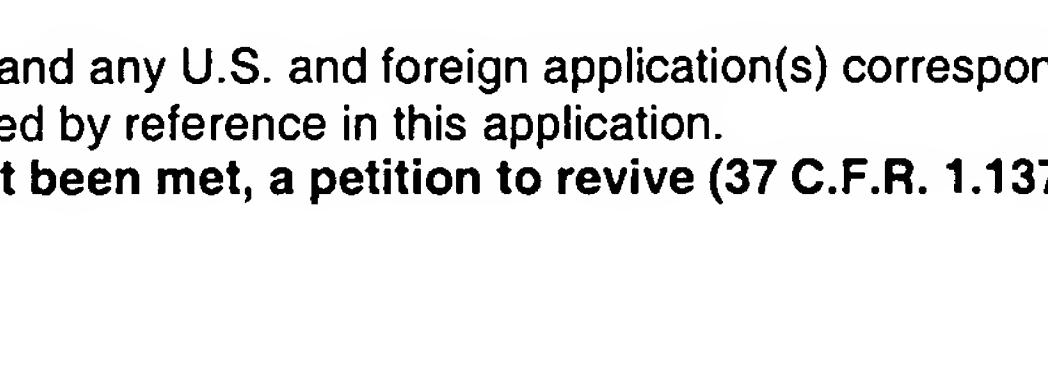


| | | |
|---|--|--|
| FORM PTO-1390 MODIFIED | U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE INTERNATIONAL APPLICATION TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371 | ATTORNEY'S DOCKET NUMBER 4147-165 U.S. APPLICATION 104582478 Unknown |
| INTERNATIONAL APPLICATION NO. PCT/EP2004/053192 | INTERNATIONAL FILING DATE 1 December 2004 | PRIORITY DATE CLAIMED 12 December 2003 |
| TITLE OF INVENTION METHOD AND APPARATUS FOR ALLOCATING A PILOT SIGNAL ADAPTED TO THE CHANNEL CHARACTERISTICS | | |
| APPLICANT(S) FOR DO/EO/US NYSTROM ET AL. | | |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: | | |
| <p>1. <input checked="" type="checkbox"/> This is a FIRST submission of items concerning a submission under 35 U.S.C. 371.</p> <p>2. <input type="checkbox"/> This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371.</p> <p>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</p> <p>4. <input checked="" type="checkbox"/> The U.S. has been elected (Article 31).</p> <p>5. A copy of the International Application as filed (35 U.S.C. 371(c)(2)).</p> <p>a. <input checked="" type="checkbox"/> is attached hereto (27 pages specification, claims & abstract (36 claims), 10 sheets drawings).</p> <p>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</p> <p>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(3))</p> <p>a. <input type="checkbox"/> is attached hereto (pages specification, claims & abstract (claims), sheets drawings, page Certificate of Translation).</p> <p>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</p> <p>7. <input type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))</p> <p>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</p> <p>b. <input type="checkbox"/> have been communicated by the International Bureau.</p> <p>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</p> <p>d. <input type="checkbox"/> have not been made and will not be made.</p> <p>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</p> <p>9. a. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</p> <p>b. <input checked="" type="checkbox"/> Declaration was submitted to the International Bureau during International Phase (see copies of Declaration (2 page Form PCT/RO/101 and first page of printed publication acknowledging receipt thereof attached)).</p> <p>10. <input type="checkbox"/> An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</p> | | |
| <p>Items 11 To 20 below concern document(s) or information included:</p> <p>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98.</p> <p>12. <input checked="" type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.</p> <p>13. a. <input checked="" type="checkbox"/> A FIRST preliminary amendment.</p> <p>b. <input type="checkbox"/> A SECOND or SUBSEQUENT preliminary amendment.</p> <p>14. <input type="checkbox"/> An Application Data Sheet under 37 C.F.R. § 1.76.</p> <p>15. <input type="checkbox"/> A substitute specification.</p> <p>16. <input checked="" type="checkbox"/> A change of power of attorney and/or address letter.</p> <p>17. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.</p> <p>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</p> <p>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</p> <p>20. <input checked="" type="checkbox"/> Other items or information. Form PCT/IB/306, International Preliminary Report on Patentability w/amended sheets, Power of Attorney</p> | | |

107582478

| U.S. APPLICATION NUMBER 107502478 | | INTERNATIONAL APPLICATION NO. PCT/EP2004/053192 | | ATTORNEY'S DOCKET NUMBER 4147-165 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|--------------|---|---------------------------------|---|-----------------|-------------------------|--------------|-----------------------|------|--|--|--------------|----|------------|------|-----------------|----------------|--------------------|---|-----------|-----|-----------------|-----------------|--|--|--|---------------------------------|--|--|--|--|--|--|--|--|
| <input checked="" type="checkbox"/> The following fees are submitted: | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| BASIC NATIONAL FEE (37 C.F.R. 1.492(a)(1)-(5): | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 21. <input checked="" type="checkbox"/> Basic national fee | | \$300.00 (1631)/\$150.00 (2631) | | \$ | 300.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22. <input checked="" type="checkbox"/> Examination Fee..... | | \$0 (1643/2643) | | \$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | \$200.00 (1633)/\$100.00 (2633) | | \$ | 200.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 23. <input checked="" type="checkbox"/> Search Fee | | \$0 (1640/2640) | | \$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | \$100 (1641)/\$50 (2641) | | \$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | \$400 (1642)/\$200 (2642) | | \$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | \$500.00 (1632)/\$250.00 (2632) | | \$ | 400.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL OF ABOVE CALCULATIONS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| \$ 900.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | | RATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 37 -100 | 0 | /50 = | 0.00 | \$250.00 (1681) | \$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| \$125.00 (2681) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Surcharge of \$130.00 (1617)/\$65.00 (2617) for furnishing the oath or declaration later than <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(e)). | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <thead> <tr> <th>CLAIMS</th> <th>NUMBER FILED</th> <th># EXTRA</th> <th colspan="3">RATE</th> </tr> </thead> <tbody> <tr> <td>Total Claims</td> <td>36</td> <td>minus 20 =</td> <td>16 X</td> <td>\$50.00 (1615)/</td> <td>\$25.00 (2615)</td> </tr> <tr> <td>Independent Claims</td> <td>3</td> <td>minus 3 =</td> <td>0 X</td> <td>\$200.00 (1614)</td> <td>\$100.00 (2614)</td> </tr> <tr> <td colspan="3">MULTIPLE DEPENDENT CLAIMS(S) (if applicable)</td> <td colspan="3">\$360.00 (1616)/\$180.00 (2616)</td> </tr> <tr> <td colspan="6">Petition is hereby made to extend the current due date so as to cover the filing date of this paper and attachment(s): One Month Extension \$120.00 (1251)/\$60.00 (2251); Two Month Extensions \$450.00 (1252)/\$225.00 (2252); Three Month Extensions \$1020.00 (1253)/\$510.00 (2253); Four Month Extensions \$1590.00 (1254)/\$795.00 (2254)</td> </tr> </tbody> </table> | | | | | | CLAIMS | NUMBER FILED | # EXTRA | RATE | | | Total Claims | 36 | minus 20 = | 16 X | \$50.00 (1615)/ | \$25.00 (2615) | Independent Claims | 3 | minus 3 = | 0 X | \$200.00 (1614) | \$100.00 (2614) | MULTIPLE DEPENDENT CLAIMS(S) (if applicable) | | | \$360.00 (1616)/\$180.00 (2616) | | | Petition is hereby made to extend the current due date so as to cover the filing date of this paper and attachment(s): One Month Extension \$120.00 (1251)/\$60.00 (2251); Two Month Extensions \$450.00 (1252)/\$225.00 (2252); Three Month Extensions \$1020.00 (1253)/\$510.00 (2253); Four Month Extensions \$1590.00 (1254)/\$795.00 (2254) | | | | | |
| CLAIMS | NUMBER FILED | # EXTRA | RATE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Total Claims | 36 | minus 20 = | 16 X | \$50.00 (1615)/ | \$25.00 (2615) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Independent Claims | 3 | minus 3 = | 0 X | \$200.00 (1614) | \$100.00 (2614) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MULTIPLE DEPENDENT CLAIMS(S) (if applicable) | | | \$360.00 (1616)/\$180.00 (2616) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Processing fee of \$130.00 (1618), for furnishing the English Translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 C.F.R. 1.492(f)). + 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL NATIONAL FEE = \$ 1700.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fee for recording the enclosed assignment (37 C.F.R. 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 (8021) per property + \$ 40.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Fee for Petition to Revive Unintentionally Abandoned Application; \$1500.00 (1453) / \$750.00 (2453) \$ 0.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL FEES ENCLOSED = \$ 1740.00 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <table border="1"> <tr> <td>Amount to be: refunded:</td> <td>\$</td> </tr> <tr> <td>Amount to be Charged:</td> <td>\$</td> </tr> </table> | | | | | | Amount to be: refunded: | \$ | Amount to be Charged: | \$ | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Amount to be: refunded: | \$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Amount to be Charged: | \$ | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| a. <input type="checkbox"/> A check in the amount of \$1740.00 to cover the above fees is enclosed. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| b. <input type="checkbox"/> Please charge my Deposit Account No. 14-1140 in the amount of \$ _____ to cover the above fees. A duplicate copy of this form is enclosed. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>14-1140</u> . A <u>duplicate</u> copy of this form is enclosed. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| d. <input checked="" type="checkbox"/> CREDIT CARD PAYMENT FORM ATTACHED. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| e. <input checked="" type="checkbox"/> The entire content of International Application No. PCT/EP2004/053192 and any U.S. and foreign application(s) corresponding thereto, and EP 03104661.8, referred to in this application is/are hereby incorporated by reference in this application. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b) must be filed and granted to restore the application to pending status. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CORRESPONDENCE ADDRESS | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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|  H. Warren Burnam, Jr. NAME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Telephone: (703) 816-4000 | | 29,366 | | June 12, 2006 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| HWB:alb | | REGISTRATION NUMBER | | Date | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Telephone: (703) 816-4000

HWB:alb

H. Warren Burnam, Jr.

NAME

29,366

June 12, 2006

Date _____

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| Change of CORRESPONDENCE ADDRESS Application Address to: Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 | Application Number | Unknown 107582478 |
| | Filing Date | June 12, 2006 |
| | First Named Inventor | Johan NYSTRÖM |
| | Art Unit | Unknown |
| | Examiner Name | Unknown |
| | Attorney Docket Number | 4147-165 |

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|-------------------------------------|--|
| <input type="checkbox"/> | Applicant/Inventor |
| <input type="checkbox"/> | Assignee of record of the entire interest. Statement under 37 C.F.R. § 3.73(b) is enclosed. (Form PTO/SB/96)/ |
| <input checked="" type="checkbox"/> | Attorney or agent of record. Registration Number <u>29,366</u> |
| <input type="checkbox"/> | Registered practitioner named in the application transmittal letter in an application without an executed oath or declaration. See C.F.R. § 1.33(a)(1). Registration Number: _____ |

Signature

Typed or
Printed Name

H. Warren Burnam, Jr.

Date

June 12, 2006

Telephone 703-816-4027

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.*

*Total of 1 forms are submitted.

This collection of information is required by 37 C.F.R. § 1.33. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 C.F.R. § 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS: SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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